To obtain the optimum performance from your ZVK-77D follow the installation guidelines below.

WARNING!!

THIS EQUIPMENT MAY CONTAIN HAZARDOUS VOLTAGES.

THIS EQUIPMENT MUST BE EARTHED TO PREVENT FIRE OR SHOCK HAZARD.

DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

Unpack the ZVK-77D and check you have

- ZVK-77D KEYBOARD
- 12V DC PSU and POWER LEAD
- ZoneVu NETWORK LEAD
- INSTALLATION GUIDE
- USER and CONFIGURATION GUIDE

Site the ZVK-77D in a suitable location paying particular attention to current Health and Safety recommendations concerning the use of keyboards.

Power-up the ZVK-77D by connecting it to the 12V DC PSU.

BASIC CONFIGURATION

The ZVK-77D requires configuration of the following parameters before use.

- MAC address
- Line termination setting
- Operational Mode setting

To carry out this basic configuration LOG-ON to the keyboard at Engineering Level (if you are uncertain how to do this please read the relevant section in the ZVK-77D User and Configuration Guide) select Program / Setup and then select Network Setup. Now enter the relevant MAC, Line term. and Mode parameters for your system.

MAC Address

The Module Access code or MAC is only required if the ZVK-77D is to be connected to a system network. If operated in Standalone mode it is irrelevant.

Line Termination

Where the ZVK-77D is connected on a system network will determine whether termination should be on or off. Generally only one piece of equipment should be terminated on any particular network. If operated in Standalone mode termination should be switched on.

Mode

The Mode of operation of the ZVK-77D should be set to Network if it is to be connected to a ZoneVu system containing a Video Matrix or Site Controller. Otherwise it should be set to Standalone.

CONNECTING THE ZVK-77D

On the inside pages of this guide you will find a rear panel layout of the ZVK-77D and a table showing connection details to other ZoneVu equipment.

SUPPORT LINES

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ZoneVu

ZVK-77D

INSTALLATION GUIDE

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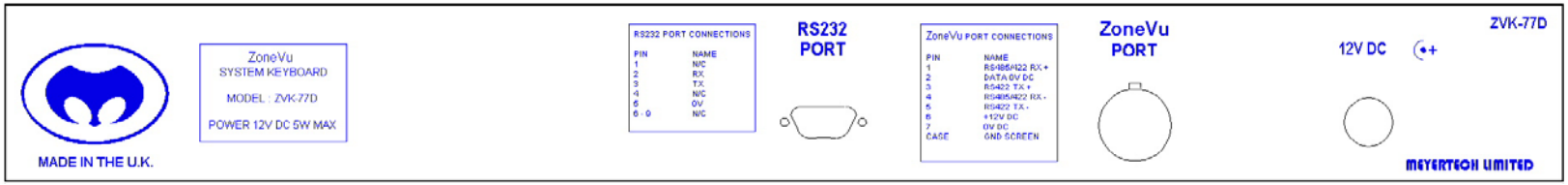
ZVK-77D REAR PANEL LAYOUT



ZVK-77D CONNECTION TABLE

ZoneVu PORT PIN	ZVK-77 FUNCTION	COLOUR CODE	ZVR-110	ZVR-210	ZVR-310	ZVR-410	ZVR-510	ZVR-530 RS422	ZVR-530 RS485	ZVM-164/328	ZVC-256	ZSC-500	ZSC-1000
1	RS485/422 RX+	BLUE	N/C	N/C	RS422 TX+	N/C	RS422 TX+	CN9 PIN 5	CN9 PIN 3	9-D PIN 4 RS422 TX+	9-D PIN 4 RS422 TX+	ZoneVu PIN 5	ZVK PIN 5
2	DATA 0V DC	BROWN	SCREEN	SCREEN	SCREEN	SCREEN	SCREEN	CN9 PIN 2	CN9 PIN 2	PIN 5 GROUND	PIN 6 GROUND	ZoneVu PIN 3	ZVK PIN 3
3	RS422 TX +	GREEN	RX+	RX+	RS422 RX+	RX+	RS422 RX+	CN9 PIN 3	N/C	9-D PIN 2 RS422 RX+	9-D PIN 2 RS422 RX+	ZoneVu PIN 2	ZVK PIN 2
4	RS485/422 RX-	WHITE/ BLUE	N/C	N/C	RS422 TX-	N/C	RS422 TX-	CN9 PIN 6	CN9 PIN 4	9-D PIN 3 RS422 TX-	9-D PIN 3 RS422 TX-	ZoneVu PIN 4	ZVK PIN 4
5	RS422 TX-	WHITE/ GREEN	RX-	RX-	RS422 RX-	RX-	RS422 RX-	CN9 PIN 4	N/C	9-D PIN 1 RS422 RX-	9-D PIN 1 RS422 RX-	ZoneVu PIN 1	ZVK PIN 1
6	+12V DC	ORANGE	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
7	0V DC	WHITE/ ORANGE	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
CASE	GROUND SCREEN	DRAIN WIRE	N/C	N/C	N/C	N/C	N/C	SCREEN GROUND	SCREEN GROUND	EARTH STUD	EARTH STUD	ZoneVu PIN 5	ZVK PIN 6

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